

DO-260A Overview

Dr. Vincent A. Orlando
MIT Lincoln Laboratory



Introduction

- **Initial 1090 MHz MOPS published last year**
 - **RTCA DO-260**
 - **EUROCAE ED-102**
- **Need for revision foreseen at time of publication**
- **Principal revisions are**
 - **New features**
 - **Open issues at MOPS approval**
 - **Modifications required by MASPS changes**
 - **Corrections/improvements**



Principal MOPS Changes in Process 1

- **Open issues from DO-260 (1090-WP-1-02, 1090-WP-1-05)**
 - MASPS issues from June 2000 SC-186 plenary
 - WG-51 comments
 - Minor technical and editorial questions
- **Enhanced reception test procedures**
 - Brief requirements in 2.2
 - Test procedures in 2.4
 - Description of sample technique(s) in Appendix I
- **Traffic Information Service Broadcast**
 - Requirements in 2.2 and Appendix A
 - Test procedures in 2.4



Principal MOPS Changes in Process 2

- **Techniques for improved air-air range performance**
 - Directional aircraft antenna
 - Reduced bandwidth receiver in low density airspace
 - Descriptive material in new Appendix M
- **Revisions required by the MASPS revision**
 - Improved reporting of navigation quality
 - NIC/NAC/SIL
 - Backward compatible change to squitter formats
 - Other changes
- **Other technical and editorial changes**